

CLAIMS

1. A wireless device for transmitting packets of a message during an assigned time slot of cycles of a time-division protocol, comprising:

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a housing, the housing having a first position and a second position; and

a transmitter within the housing, the transmitter transmitting packets of the message in the assigned time slot of adjacent cycles of the protocol when the housing is in the first position and transmitting packets of the message in the assigned time slot of every n^{th} cycle of the protocol when the housing is in the second position.

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2. A device for transmitting packets of a message during an assigned time slot of cycles of a time-division protocol, comprising:

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a housing, the housing having at least two portions, the at least two portions being movable relative to each other; and

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a transmitter within the housing, the device capable of selecting a transmit duty cycle of the transmitter, the transmit duty cycle being dependent upon a position, relative to each other, of the at least two portions of the housing.

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3. The device of claim 2, in which the at least two portions of the housing are movable into a first position and a second position, and in which the transmitter transmits packets of the message in the assigned time slot of adjacent cycles of the time-division protocol when the at least two portions of housing are in the first position and the transmitter transmits packets of the message in the assigned time slot of every n^{th} cycle of the time-division protocol when the at least two portions of housing are in the second position.

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4. The device of claim 3, including a controller programmable to select a
5 value of n.

5. The device of claim 4, including a keyboard, and in which the
controller is programmable through use of the keyboard.

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6. The device of claim 4, including a sensor coupled to the housing, and
to the controller and in which the sensor detects the position of the housing.

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7. The device of claim 6, in which the controller receives a signal from
the sensor regarding the position of the housing.

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8. In a device having a transmitter and a housing, the housing comprised of two or more portions, at least one portion of the two or more portions movable into a plurality of positions, a method of controlling a transmit duty cycle of the transmitter by a position of the at least one portion of the two or more portions of the housing, comprising the steps of:

storing in the device stored transmit duty cycles of the transmitter, one transmit duty cycle associated with one position of the plurality of positions of the at least one portion of the two or more portions of the housing, another transmit duty cycle associated with another position of the plurality of positions of the at least one portion of the two or more portions of the housing;

determining a current position of the plurality of positions of the at least one portion of the two or more portions of the housing; and

in response to the current position, setting a current transmit duty cycle of the transmitter to one of the stored transmit duty cycles.

9. The method of claim 8, including the step of transmitting at the current transmit duty cycle of the transmitter.

10. In a device having a transmitter and a housing, the housing comprised
of two or more portions, the portions capable of being moved into more than one
5 position relative to each other, a method comprising the steps of:

storing in the device stored transmit duty cycles of the transmitter, one
stored transmit duty cycle associated with one position, another stored
transmit duty cycle associated with another position;

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determining a current position of the portions;

in response to the current position, setting a current transmit duty cycle
of the transmitter to one of the stored transmit duty cycles; and

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transmitting at the current transmit duty cycle of the transmitter.